East Campus Concept Plan
Municipal Concept Review: Jan 9, 2020

2026 Campus Plan Principles

1. Provide an integrated environment for teaching, living, learning and research
2. Enhance the campus’s distinctive sense of place
3. Foster a setting that is welcoming and supportive and encourages positive interaction and exchange
4. Create a climate that encourages thoughtful and creative approaches to sustainability
5. Serve communities that extend beyond the campus
Soccer Stadium & Practice Field
Existing Conditions
Roberts Stadium & Proposed Soccer Stadium

2,356 seats

2,157 seats

(2,106 seats were listed in the submission)
These fields replace previous Soccer Stadium facility (2,356 seats) and Practice Field
West Pavilion
West Pavilion
East Pavilion

West Elevation & Field Section Diagram

EAST ELEVATION

Regional Stormwater System

Geothermal Wells
Circulation & Access
Pedestrian
Service
Parking
Pedestrian/Bike paths
Vehicular
Service
Typical Schedule / Attendance

Season
• **Sept-mid Nov. 20 games**
  - Tues-Wed-Thu-Sat-Sun
• **3 spring games (weekends)**
  - Starting Time (Weekdays) 5 to 7 pm (Typical)
  - Starting Time (Weekends) 1 to 7 pm (Typical)

Attendance
• Average game <400
• Post Season game: up to full capacity

Cars
• Average game <200 cars
• Post Season game: up to 800 cars
Lighting
Sports Lighting

- 100’ high poles
- 70’ high poles
Fixture Shielding and Glare Control
Athletic Facilities Lighting Impact Study
Sports Lighting

Designed to meet the International Dark Skies Association criteria for protection of the night sky
Sports Lighting
Average Foot Candles

- 0.0-1 fc
- 1-20 fc
- 20-30 fc
- 75-90 fc
Site Lighting
Foot Candles

Illuminance
(calculated at groundplane)

- Less than 0.25 fc
- Between 0.25 and 1 fc
- Between 1 and 3 fc
Sound Levels
Sound System

Sound system will comply with New Jersey Noise Code
7:00am-10:00pm: max 65 dBA
Landscape
### Planting Plan

**Soccer Stadium**

<table>
<thead>
<tr>
<th>Project</th>
<th>Tree Removal above 8&quot; cal.</th>
<th>Tree Replacement Requirement</th>
<th>Proposed Trees</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soccer Application</td>
<td>92</td>
<td>123</td>
<td>181</td>
</tr>
<tr>
<td>Total (Includes TIGER &amp; Garage applications)</td>
<td>253</td>
<td>330</td>
<td>438</td>
</tr>
</tbody>
</table>

- **Existing Trees**
- **Transplanted Trees**
- **Proposed Trees**
- **Shrub & Groundcover**
- **Application Limit of Work**
Planting Palette
Soccer Stadium

TREES

SHRUBS

GRASSES/PERENNIALS
Planting Palette
Practice Field

TREES

SHRUBS

GRASSES/PERENNIALS
Stormwater Management
Stormwater Design
Soccer Stadium

Existing Condition

Proposed Condition

LEGEND
- PERVIOUS
- IMPERVIOUS
- DESIGN POINTS
GeoExchange Bores
Stormwater Design
Soccer Stadium

Pipe in Stone
*Photo Credit: ADS Pipe

Regional Storage
*Photo Credit: StormTrap

Streetscape Bioretention

*Photo Credit: StormTrap
Stormwater Design
Soccer Stadium

STORMWATER DESIGN:

PIPE IN STONE
Photo Credit: ADS Pipe

STONE WITH PANEL DRAINS
Stormwater Design

Practice Field

Existing Condition

Proposed Condition

LEGEND
- PERVIOUS
- IMPERVIOUS
- DESIGN POINTS
Stormwater Design

Practice Field

PIPE IN STONE

Photo Credit: ADS Pipe

STONE WITH PANEL DRAINS

JADWIN DRIVE
Renderings
West
Princeton University
East Campus Entry - Soccer Stadium & Practice Field

Planning Board Meeting
December 03, 2020
Carried Over - January 07, 2021